
Improving orthogonal tRNA-synthetase recognition for efficient unnatural amino acid incorporation and application in mammalian cells.

Journal: Mol Biosyst

Publication Year: 2009

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PubMed link: 19668857

Public Summary:

Scientific Abstract:

Optimizing the anticodon recognition between orthogonal tRNA and synthetase significantly increased the incorporation efficiencies of various unnatural amino acids in mammalian cells, and the enhanced incorporation enabled efficient photocrosslinking of interacting proteins in mammalian cells.

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